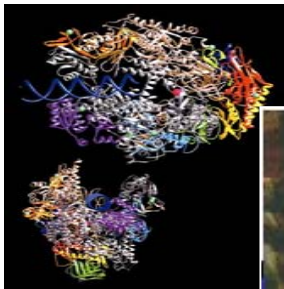


# Asymmetric Warfare

- *Predict human behavior*
- *Develop M&S decision support / course of action analysis tools*
- *Leverage Inter-Agency M&S in Homeland Security*

*Understand unconventional threats and environments*



**DoD catalyst in focusing multiple contributing technologies to meet the Asymmetric Warfare customer's demands.**

# Vision:

Identify, integrate, disseminate and address Warfighter M&S requirements to ensure the availability of war-winning M&S capabilities



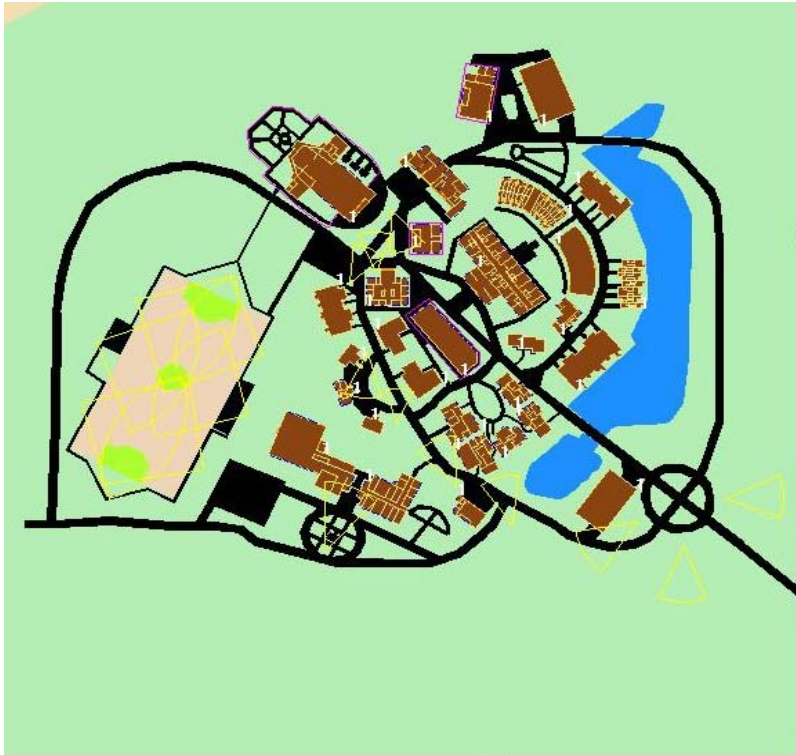
***“Crossroads where warfighter needs meet M&S capabilities”***

# Objectives of the Division

- *Identify:*
  - Collect and Understand Warfighter M&S Needs
  - Across All Domains (Training, Acquisition, Analysis, Experimentation)
- *Integrate:*
  - Across Key Functional Areas
    - *Interoperability, Representation, Data, Others*) Identify and Evaluate Common M&S requirements
- *Disseminate:*
  - Requirements and Information
    - External: Provide access back to community (web page)
    - Internal: Distribute to DMSO divisions
- *Address:*
  - Implement near term solutions
    - Provide direct funding
  - Transition DMSO programs

# **Military Operations in Urban Terrain**

## **JCATS – LASER Project**



**Linking Joint Conflict and Tactical Simulation (JCATS) and 3D Laser**

**Facilitating Training in Urban and High Risk Environment  
(Conventional and Asymmetric Application)**

**Course of Action and Mission Rehearsal Tools**

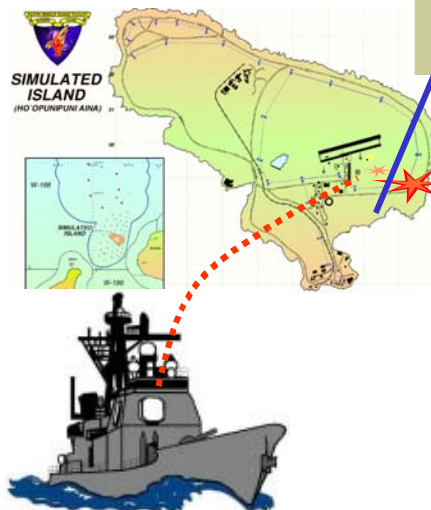


# Integrated Joint Urban Operations

*Live - Virtual - Constructive*

## Pacific Missile Range Facility (Hawaii)

Live ship firing live rounds at simulated island with synthetic village



## Fort Benning MOUT Site (Georgia)

Live Warfighters operating in real village (MOUT Site) or in synthetic village (SSE)

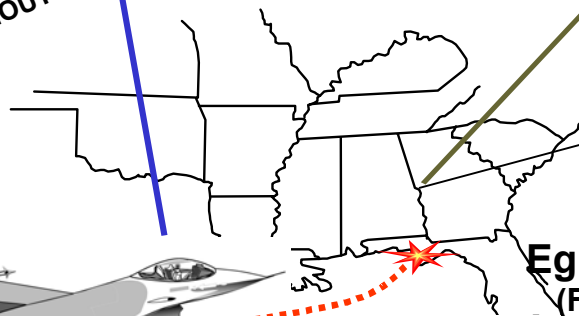


Virtual MOUT Site



## Eglin AFB (Florida)

Live fighter firing live training rounds at mock (plywood) village



# Overview of Warfighter CINC/Service Support

## Objectives:

- *Address Immediate Shortfalls in M&S capabilities critical to the Unified Commands and Services*

## Recent Accomplishments:

- *Address Immediate Shortfalls in M&S Capabilities critical to the Unified Commands and Services*
  - **JTLS-JCATS:** Jointly funding (w/JFCOM) development of a federation involving both JTLS and JCATS to allow multi-resolution simulation capability during joint training exercises
  - **JTC:** Jointly funding (w/Army, Navy, Marine Corps, AF, JFCOM) the replacement of ALSP by the RTI NG in the Joint Training Confederation
  - **Chang Jo 21:** Coordinating with USFK and ROK TRADOC on ways to provide an HLA linkage between a ROK training simulation (Chang Jo 21) and simulations in the JTC.
  - **JWARS-JSIMS Study:** Conducting a study to identify ways in which JSIMS and JWARS could improve interoperability between them.
  - **TRANSCOM:** Supporting the development of an automated linkage between MIDAS and ELIST in order to improve logistics M&S
  - **PACOM:** Jointly funded (w/PACOM) a PACOM Simulation Center Study
  - **SPACECOM:** Space-based Weapons Study
  - **SOCOM:** Partnered to fund OOTW Study
  - **EUCOM:** Supported Standup of HLA lab at WPC

